



PTO/SB/08B (08-03)

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1**Complete if Known**

Application Number	10/602,258
Filing Date	June 23, 2003
First Named Inventor	Gregory, Richard
Art Unit	Not Yet Assigned / 636
Examiner Name	Not Yet Assigned G V Z O
Attorney Docket Number	016930-005000US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>oz</i>	AA	US-6,210,939 B1	04-03-2001	Gregory et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
<i>oz</i>	AB	WO	94/24297		10/1994			<input type="checkbox"/>

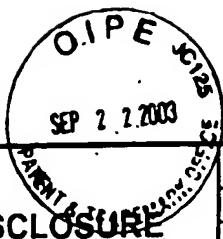
NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>oz</i>	AC	Aiello et al. Adenovirus 5 DNA Sequences Present and RNA Sequences Transcribed in Transformed Human Embryo Kidney Cells (HEK-Ad-5 or 293) Virology 94:460-469 (1979).	
	AD	Aulitzky et al. "Recombinant Tumour Necrosis Factor Alpha Administered Subcutaneously or Intramuscularly for Treatment of Advanced Malignant Disease: a Phase I Trial." Eur. J. Cancer 27(4) :462-467 (1991).	
	AE	Austin, E.A. and Huber, B.E. "A First Step in the Development of Gene Therapy for Colorectal Carcinoma: Cloning, Sequencing, and Expression of Escherichia coli Cytosine Deaminase." Eur. J. Cancer 27(4) :462-467 (1991).	
	AF	Bacchetti, S. and Graham, F. "Inhibition of cell proliferation by an adenovirus vector expressing the human wild type p53 protein." International Journal of Oncology 3:781-788 (1993).	
	AG	Baker et al. "Suppression of Human Colorectal Carcinoma Cell Growth by Wild-Type p53." 249:912-915 (1990).	
	AH	Bartek et al. "Aberrant expression of the p53 oncoprotein is a common feature of a wide spectrum of human malignancies." Oncogene 6:1699-1703 (1991).	
	AI	Berkner, Kathleen L. and Sharp, Phillip A. "Effect of the tripartite leader on synthesis of a non-viral protein in an adenovirus 5 recombinant." Nucleic Acids Research 13(3) :841-857 (1985).	
	AJ	Boshart et al. "A Very Strong Enhancer Is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus." Cell 41:521-530 (1985).	
	AK	Bressac et al. "Abnormal structure and expression of p53 gene in human hepatocellular carcinoma." Proc. Natl. Acad. Sci. (USA) 87:1973-1977 (1990).	
<i>oz</i>	AL	Caruso et al. "Regression of established macroscopic liver metastases after in situ transduction of a suicide gene." Proc. Natl. Acad. Sci. (USA) 90:7024-7028 (1993).	

Examiner Signature	<i>David J. [Signature]</i>	Date Considered	6/24/06
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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
JR	AM		Smith, R.R. et al., "Studies of the use of viruses in the treatment of carcinoma of the cervix," Cancer 9(6) :1211-1218 (1956).					
	AN		Wills, K.N. et al., "Adenovirus vectors for gene therapy of cancer," Genetically Targeted Research & Therapeutics: Antisense & Gene Therapy Abstract S216, Apr. 12-18, 1993.					
	AO		Zhang, W.W. et al., "High-efficiency gene transfer and high-level expression of wild-type p53 in human lung cancer cells mediated by recombinant adenovirus," Canc. Gene Ther. 1(1) :5-13 (1994).					
	AP		Challberg, M.D. and Kelly, T.J. PNAS USA, 76:655-659 (1979).					
	AQ		Chen et al. "Genetic Mechanisms of Tumor Suppression by the Human p53 Gene." Science 250:1576-1580 (1990).					
	AR		Chen et al. "Expression of wild-type p53 in human A673 cells suppresses tumorigenicity but not growth rate." Oncogene 6:1799-1805 (1991).					
	AS		Cheng et al. "Suppression of Acute Lymphoblastic Leukemia by the Human Wild-Type p53 Gene." Cancer Research 52:222-226 (1992).					
	AT		Colby, W.W. and Shenk, T.J., "Adenovirus Type 5 Virions Can be Assembled in Vivo in the Absence of Detectable Polypeptide IX" Virology 39:977-980 (1981).					
	AU		Culver et al. "In Vivo Gene Transfer with Retroviral Vector-Producer Cells for Treatment of Experimental Brain Tumors" Science 256:1550-1552 (1992).					
	AV		Culver et al. "Lymphocytes as a cellular vehicles for gene therapy in mouse and man." Proc. Natl. Acad. Sci. USA 88:3155-3159 (1991).					
	AW		Demetri et al. "A Phase I Trial of Recombinant Human Tumor Necrosis Factor and Interferon-Gamma: Effects of Combination Cytokine Administration In Vivo." J. Clin. Oncol. 7(10) :1545-1553.					
	AX		Diller et al. "p53 Functions as a Cell Cycle Control Protein in Osteosarcomas." Mol. Cell. Biology 10:5772-5781 (1990).					
	AY		El-Deiry et al. "WAF1, a Potential Mediator of p53 Tumor Suppression." Cell 75:817-825 (1993).					
	AZ		Ezzidine et al. "Selective Killing of Glioma Cells in Culture and in Vivo by Retrovirus Transfer of the Herpes Simplex Virus Thymidine Kinase Gene." The New Biologist 3:608-614 (1991).					
	BA		Feinstein et al. "Expression of the normal p53 gene induces differentiation of K562 cells." Oncogene 7:1853-1857 (1992).					
JR	BB		Freeman et al. "The "Bystander Effect": Tumor Regression When a Fraction of the Tumor Mass Is Genetically Modified." Cancer Res. 53:5274-5283 (1993).					

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PTO/SB/08B (08-03)

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Sheet

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Application Number	10/602,258
Filing Date	June 23, 2003
First Named Inventor	Gregory, Richard
Art Unit	Not Yet Assigned 1636
Examiner Name	Not Yet Assigned GUZO
Attorney Docket Number	016930-005000US

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
JC	BC					Ghosh-Choudhury et al. "Protein IX, a minor component of the human adenovirus capsid, is essential for the packaging of full length genomes." EMBO Journal 6:1733-1739 (1987).		
	BD					Gooding et al. "Molecular Mechanisms by Which Adenoviruses Counteract Antiviral Immune Defenses." Crit. Rev. Immunol. 10:53-71 (1990).		
	BE					Graham, F.L. and van der Eb, A.J. "A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA." Virology 52:456-467 (1973).		
	BF					Graham, F.L. and Prevec, L. Vaccines: New Approaches to Immunological Problems. R. W. Ellis (ed.), Boston: Butterworth-Heinemann, 363-390 (1992).		
	BG					Heuvel et al. "Association between the cellular p53 and the adenovirus 5 E1B-55kd proteins reduces the oncogenicity of Ad-transformed cells." EMBO Journal 9:2621-2629 (1990).		
	BH					Hock et al. "Mechanisms of rejection induced by tumor cell-targeted gene transfer of interleukin 2, interleukin 4, interleukin 7, tumor necrosis factor, or interferon .gamma..". Proc. Natl. Acad. Sci. USA 90:2774-2778 (1992).		
	BI					Hollstein et al. "p53 Mutations in Human Cancers." Science 253:49-53 (1991).		
	BJ					Horwitz, Marshall S. "Adenoviridae and Their Replication." sVirology B.N. Fields (ed.), New York: Raven Press, 1679-1721 (1990).		
	BK					Horvath, J. and Weber, J.M. "Nonpermissivity of Human Peripheral Blood Lymphocytes to Adenovirus Type 2 Infection." J. Virol. 62:341-345 (1988).		
	BL					Huang et al. "A cellular protein that competes with SV40 T antigen for binding to the retinoblastoma gene product." Nature 350:160-162 (1991).		
	BM					Huber et al. "Retroviral-mediated gene therapy for the treatment of hepatocellular carcinoma: An innovative approach for cancer therapy." Proc. Natl. Acad. Sci. USA 88:8039-8043 (1991).		
	BN					Hunter, T. "Braking the Cycle." Cell 75:839-841 (1993).		
	BO					Jones, N. and Shenk, T. "Isolation of Adenovirus Type 5 Host Range Deletion Mutants Defective for Transformation of Rat Embryo Cells." Cell 17:683-689 (1979).		
	BP					Kamb et al. "A Cell Cycle Regulator Potentially Involved in Genesis of Many Tumor Types." Science 264:436-440 (1994).		
JC	BQ					Kuerbitz et al. "Wild-type p53 is a cell cycle checkpoint determinant following irradiation." Proc. Natl. Acad. Sci. USA 89:7491-7495 (1992).		

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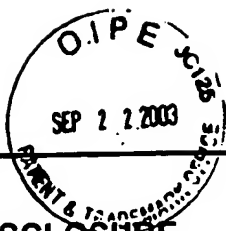
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Attorney Docket Number	016930-005000US

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
jr	BR					Landmann et al. "Prolonged Interferon-gamma. Application by Subcutaneous Infusion in Cancer Patients: Differential Response of Serum CD14, Neopterin, and Monocyte HLA Class I and II Antigens." J. Interferon Res. 12(2):103-111 (1992).		
	BS					Lane, D.P. "p53, guardian of the genome." Nature 358:15-16 (1992).		
	BT					Lee et al. "Human Retinoblastoma Susceptibility Gene: Cloning, Identification, and Sequence." Science 235:1394-1399 (1987).		
	BU					Lemaistre et al. "Therapeutic effects of genetically engineered toxin (DAB.sub.486 IL-2) in patient with chronic lymphocytic leukaemia." Lancet 337:1124-1125 (1991).		
	BV					Lemarchand, Patricia. "Adenovirus-mediated transfer of a recombinant human .alpha..sub.1 -antitrypsin cDNA to human endothelial cells." Proc. Natl. Acad. Sci. USA 89:6482-6486 (1992).		
	BW					Levine, A.J. "The Tumor Suppressor Genes." Annu. Rev. Biochem. 62:623-651 (1993).		
	BX					Lowe et al. "p53 is required for radiation-induced apoptosis in mouse thymocytes." Nature 362:847-852 (1993).		
	BY					Lowe et al. "p53-Dependent Apoptosis Modulates the Cytotoxicity of Anticancer Agents." Cell 74:957-967 (1993).		
	BZ					Mercer, et al. "Negative growth regulation in a glioblastoma tumor cell line that conditionally expresses human wild-type p53." Proc. Natl. Acad. Sci. USA 87:6166-6170 (1990).		
	CA					Metzger, Gerard and Werbin, Harold. "Evidence for N-Acetoxy-N-2-acetylaminofluorene Induced Covalent-like Binding of Some Nonhistone Proteins to DNA in Chromatin." Biochemistry 18(4):655-659 (1979).		
	CB					Moolten, F.C. "Tumor Chemosensitivity Conferred by Inserted Herpes Thymidine Kinase Genes: Paradigm for a Prospective Cancer Control Strategy." Cancer Res. 46:5276-5281 (1986).		
	CC					Nakabayashi et al. "Transcriptional Regulation of .alpha.-Fetoprotein Expression by Dexamethasone in Human Hepatoma Cells." The Journal of Biological Chemistry 264:266-271 (1989).		
	CD					Palmer et al. "Genetically modified skin fibroblasts persist long after transplantation but gradually inactivate introduced genes." Proc. Natl. Acad. Sci. USA 88:1330-1334 (1991).		
	CE					Rao et al. "The adenovirus E1A proteins induce apoptosis, which is inhibited by the E1B 19-kDa and Bcl-2 proteins." Proc. Natl. Acad. Sci. USA 89:7742-7746 (1992).		
02	CF					Ravoet et al. "Non-Surgical Treatment of Hepatocarcinoma." Journal of Surgical Oncology Supplement 3:104-111 (1993).		
Examiner Signature		David Myers			Date Considered	6/26/05		

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
02	CG					Rich et al. "Development and Analysis of Recombinant Adenoviruses for Gene Therapy of cystic Fibrosis." Human Gene Therapy 4:461-476 (1993).		
	CH					Rosenfeld et al. "In Vivo Transfer of the Human Cystic Fibrosis Transmembrane Conductance Regulator Gene to the Airway Epithelium." Cell 68:143-155 (1992).		
	CI					Sarnow et al. "Adenovirus E1b-58kd Tumor Antigen and SV40 Large Tumor Antigen Are Physically Associated with the Same 54 kd Cellular Protein in Transformed Cells." Cell 28:387-394 (1982).		
	CJ					Shaw et al. "Induction of apoptosis by wild-type p53 in a human colon tumor-derived cell line." Proc. Natl. Acad. Sci. USA 89:4495-4499 (1992).		
	CK					Siegfried, W. "Perspectives in Gene Therapy with Recombinant Adenoviruses." Exp. Clin. Endocrinol. 101:7-11 (1993).		
	CL					Sorscher et al. "Tumor cell bystander killing in colonic carcinoma utilizing the Escherichia coli DeoD gene to generate toxic purines." Gene Therapy 1:233-238.		
	CM					Spector, David J. "The Pattern of Integration of Viral DNA Sequences in the Adenovirus 5-Transformed Human Cell Line 293." Virology 130:533-538 (1983).		
	CN					Stewart et al. "Difference imaging of adenovirus: bridging the resolution gap between X-ray crystallography and electron microscopy." EMBO Journal 12:2589-2599 (1993).		
	CO					Supersaxo et al. Pharm. Res. 5(8) :472-476 (1988).		
	CP					Straus, S.E. "Adenovirus infections in humans." The Adenoviruses. H.S. Ginsberg (ed.), New York: Plenum Press, 451-496 (1984).		
	CQ					Takahashi et al. "p53: A Frequent Target for Genetic Abnormalities in Lung Cancer." Science 246:491-494 (1989).		
	CR					Takahashi et al. "Wild-type but not Mutant p53 Suppresses the Growth of Human Lung Cancer Cells Bearing Multiple Genetic Lesions." Cancer Research 52:2340-2343 (1992).		
	CS					Thimmappaya et al. "Adenovirus VAI RNA Is Required for Efficient Translation of Viral mRNAs at Late Times after Infection." Cell 31:543-551 (1982).		
✓	CT					Wang et al. "Quantitation of mRNA by the polymerase chain reaction." Proc. Natl. Acad. Sci. USA 86:9717-9721 (1989).		
02	CU					Watanabe et al. "Cell-specific Enhancer Activity in a Far Upstream Region of the Human .alpha.-Fetoprotein Gene." The Journal of Biological Chemistry 262:4812-4818 (1987).		

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
jl	CV					White et al. "The 19-Kilodalton Adenovirus E1B Transforming Protein Inhibits Programmed Cell Death and Prevents Cytolysis by Tumor Necrosis Factor .alpha.." Mol. Cell. Biol. 12:2570-2580 (1992).		
jl	CW					Wills et al. Human Gene Therapy 5:1079-1088 (1994).		
jl	CX					Yonish-Rouach et al. "Wild-type p53 induces apoptosis of myeloid leukaemic cells that is inhibited by interleukin-6." Nature 352:345-347 (1991).		
jl	CY					Casez et al., Oncogene, vol. 6(10), pp. 1791-1797, 1991.		
jl	CZ					Haj-Ahmad and Graham, Development of a helper-independent human adenovirus vector and its use in the transfer of the herpes simplex virus thymidine kinase gene, J. Virol. 57(1): 267-274, Jan. 1986.		
jl	DA					Winnacker, E.L., From Genes to Clones, pp. 342-343, VCH Publishers, New York, NY, 1987.		

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